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FIG.1

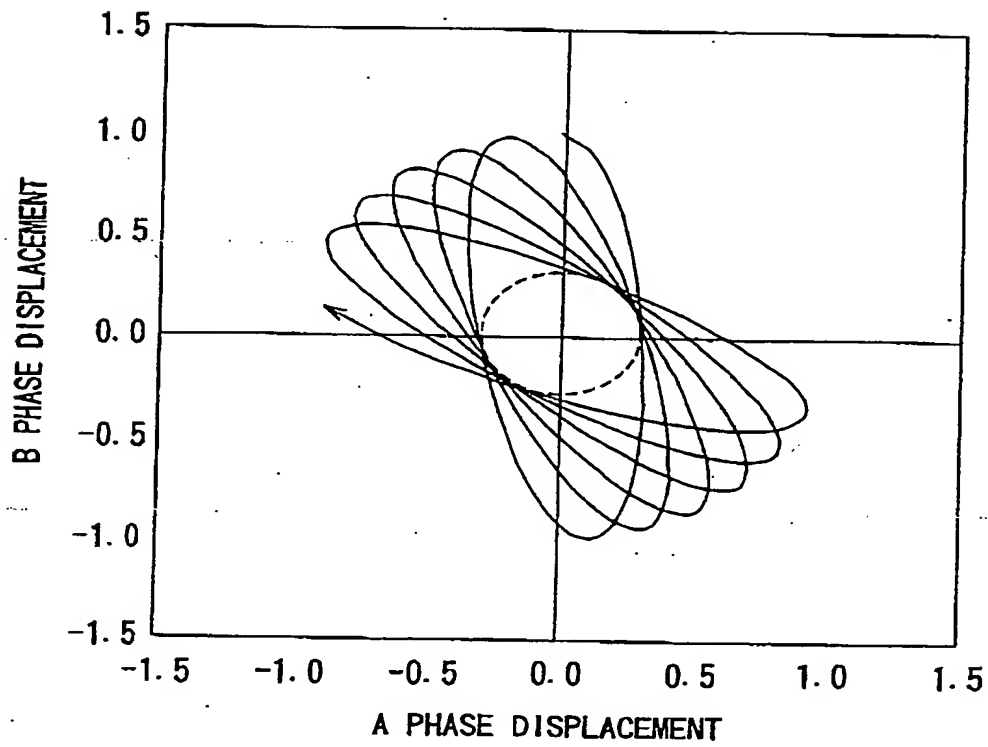


FIG.2

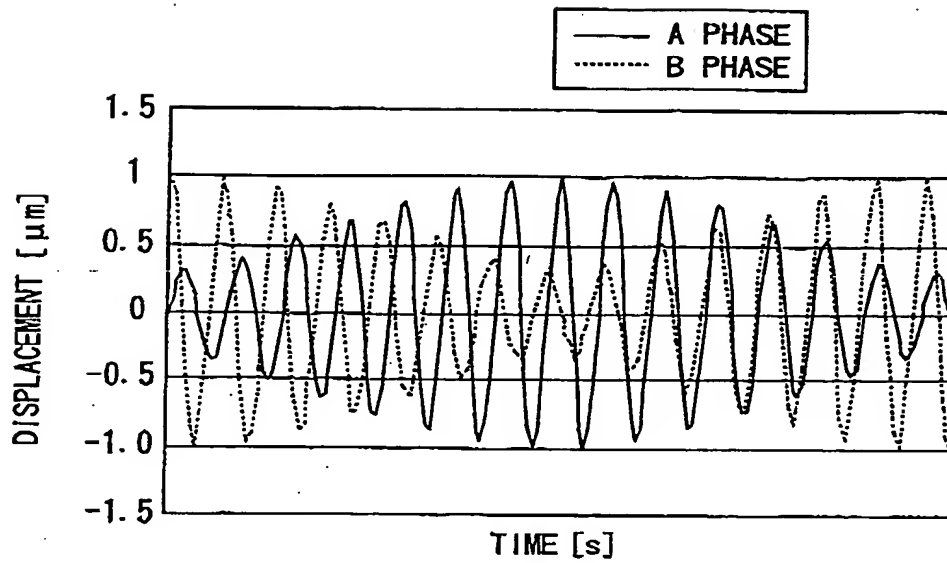


FIG.3

$$A = (V+a)\cos\alpha\cos\omega t - V\sin\alpha\sin\omega t$$

$$B = (V+a)\sin\alpha\cos\omega t + V\cos\alpha\sin\omega t$$

A: A PHASE DRIVING VOLTAGE, B: B PHASE DRIVING VOLTAGE,

V: DRIVING VOLTAGE (FUNDAMENTAL VOLTAGE), a: STANDING WAVE AMPLITUDE,

α : TURNING ANGLE, ω : DRIVING ANGULAR VELOCITY

FIG.4A

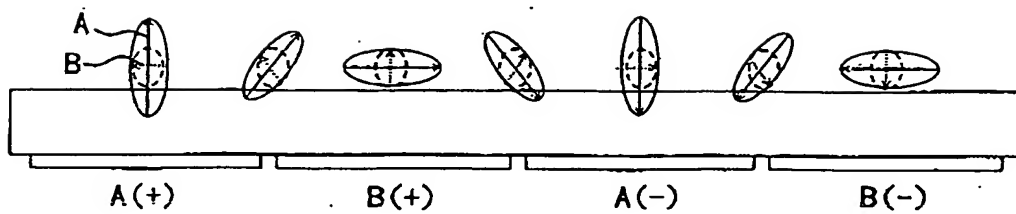


FIG.4B

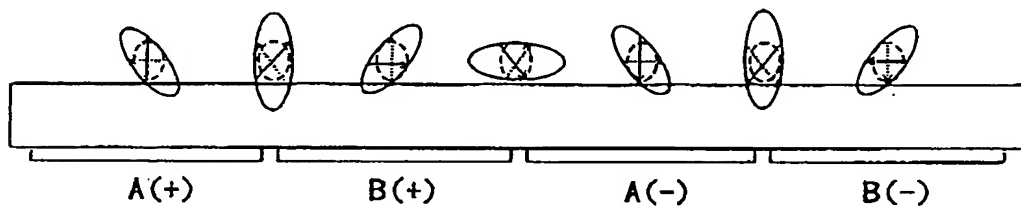


FIG.4C

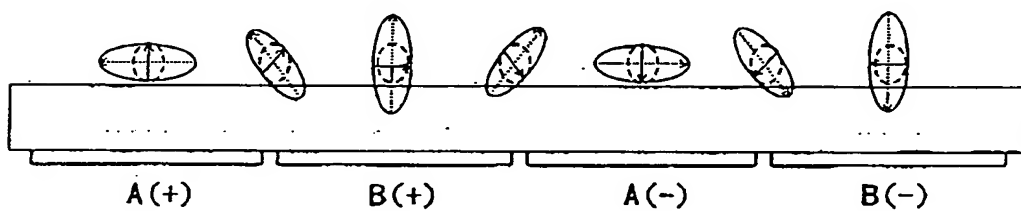


FIG.4D

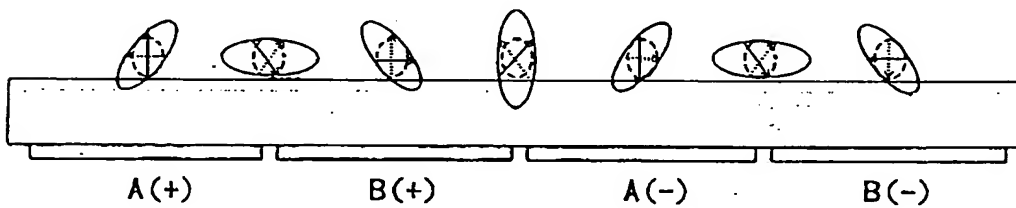


FIG.5

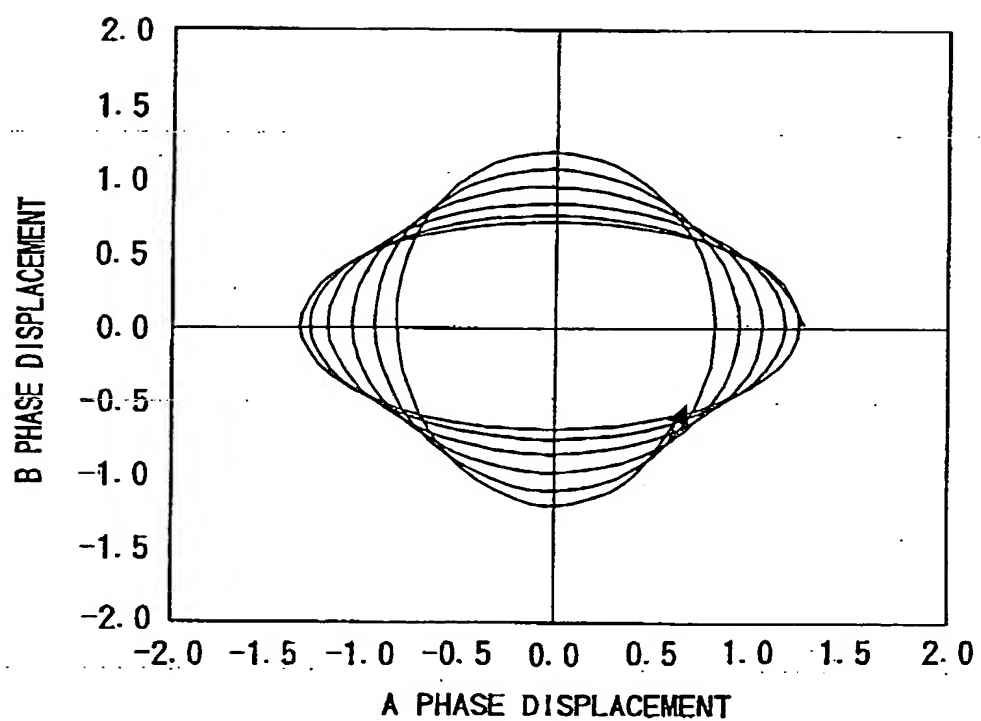


FIG.6

$$A=(V+a \cos \phi) \cos \omega t$$

$$B=(V-a \cos \phi) \sin \omega t$$

A:A PHASE DRIVING VOLTAGE, B:B PHASE DRIVING VOLTAGE,

a:MODULATION AMPLITUDE, ϕ :MODULATION PHASE,

ω :DRIVING ANGULAR VELOCITY,

V:DRIVING VOLTAGE(FUNDAMENTAL VOLTAGE)

FIG.7

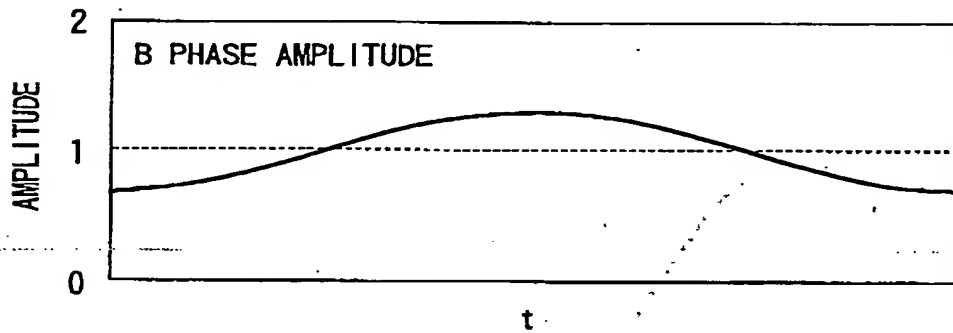
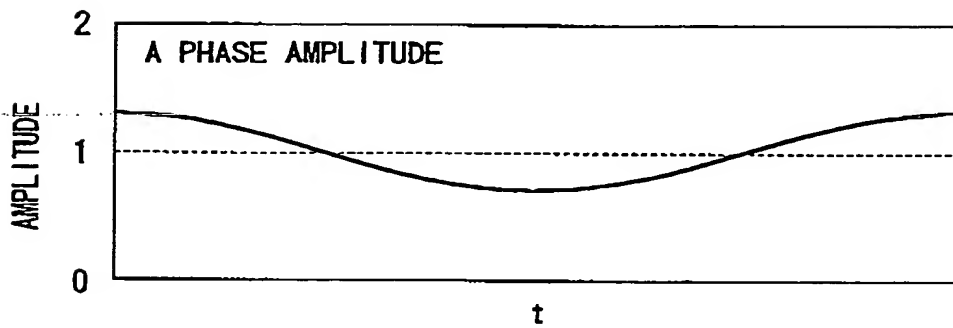


FIG.8

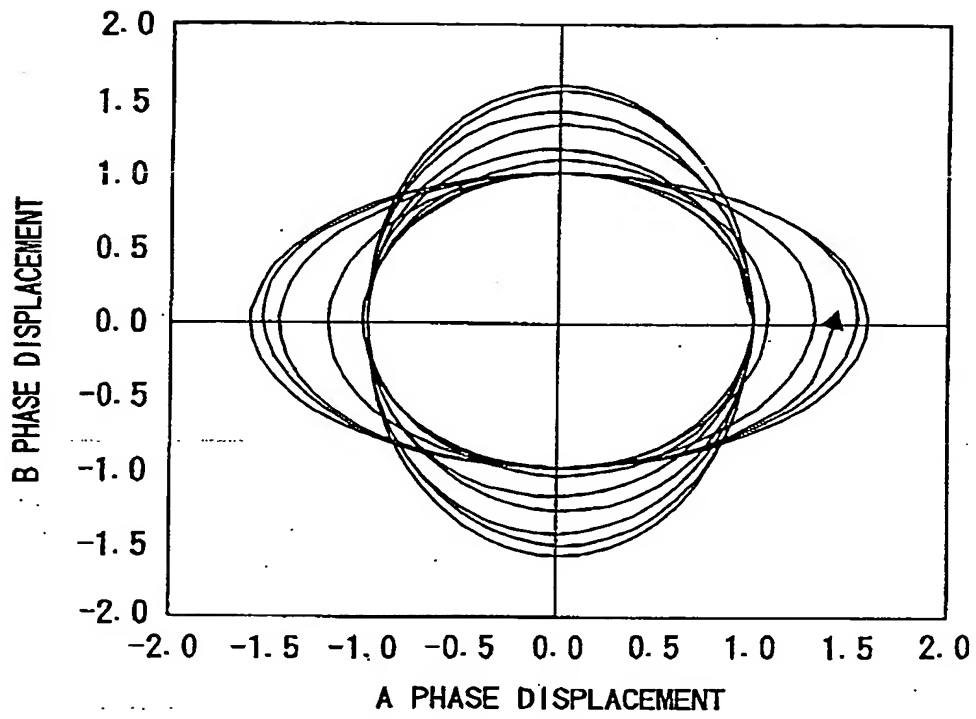


FIG.9

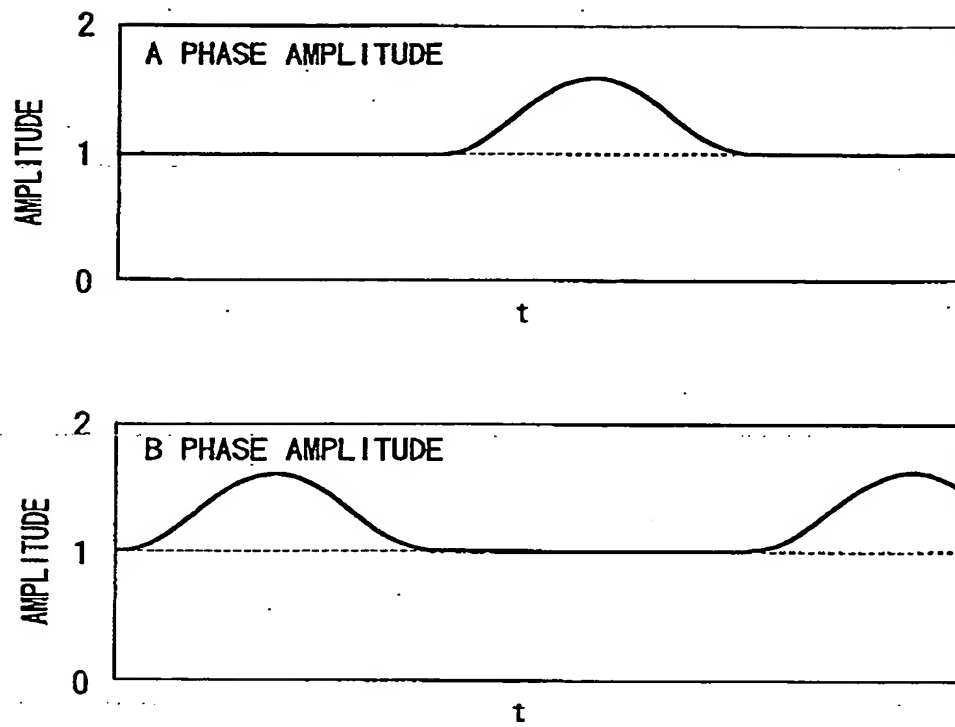


FIG.10

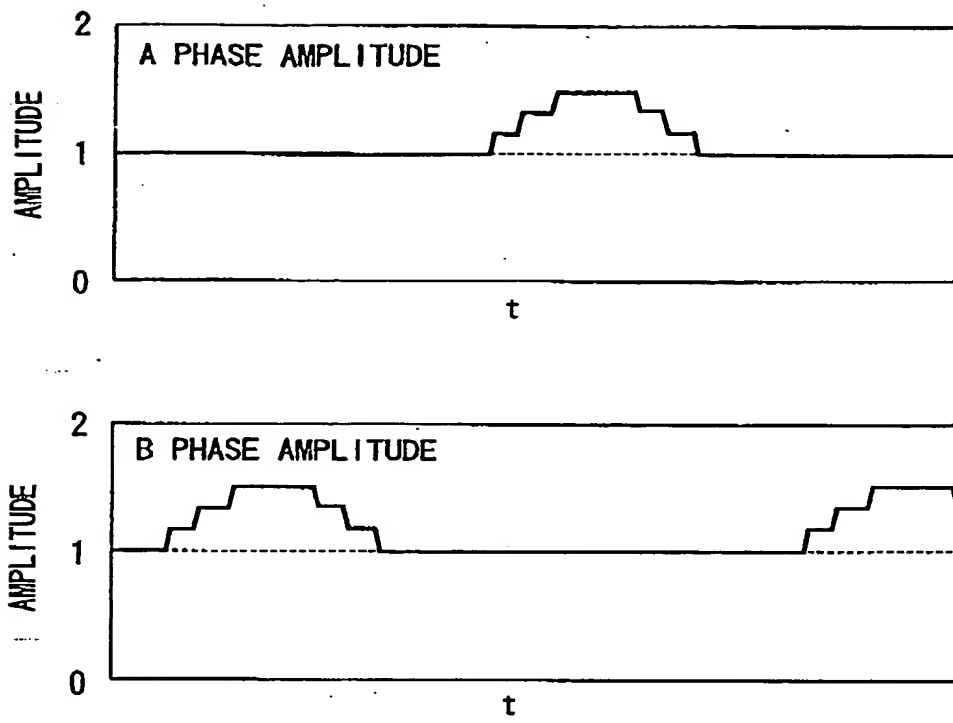
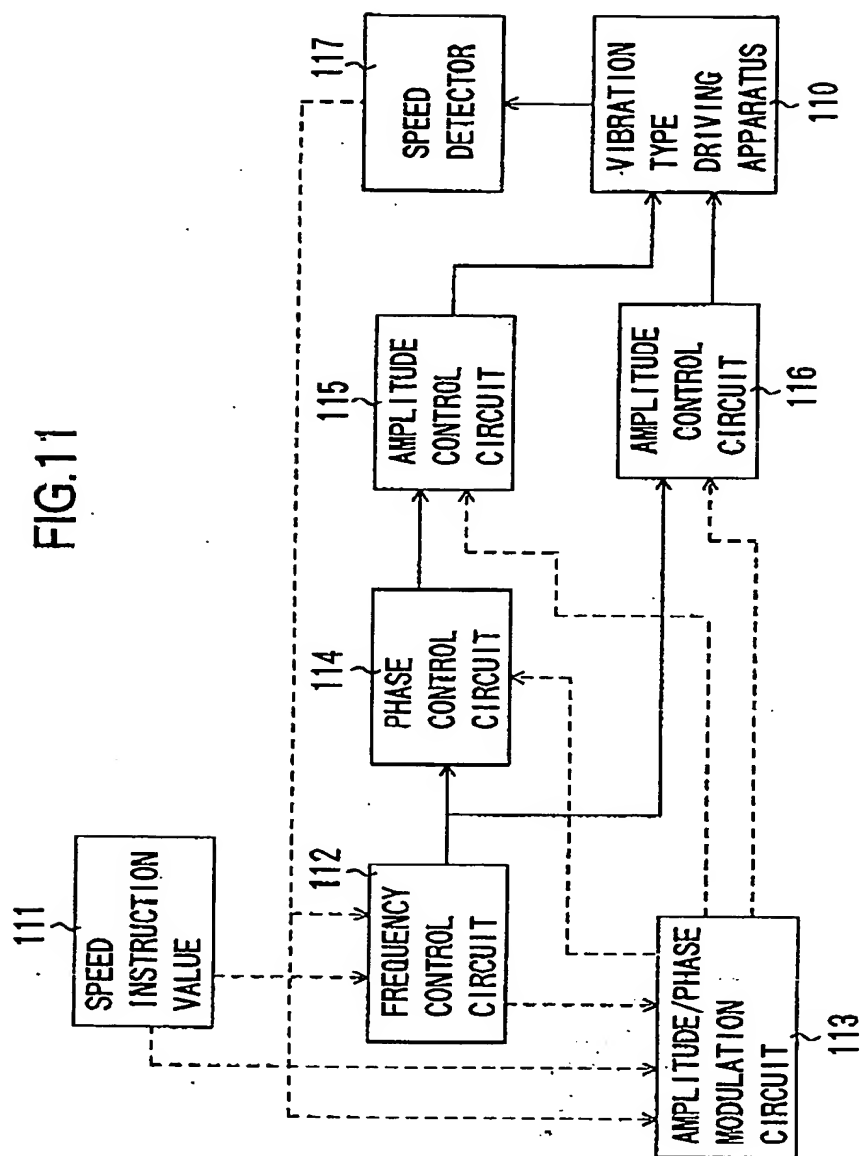


FIG. 11



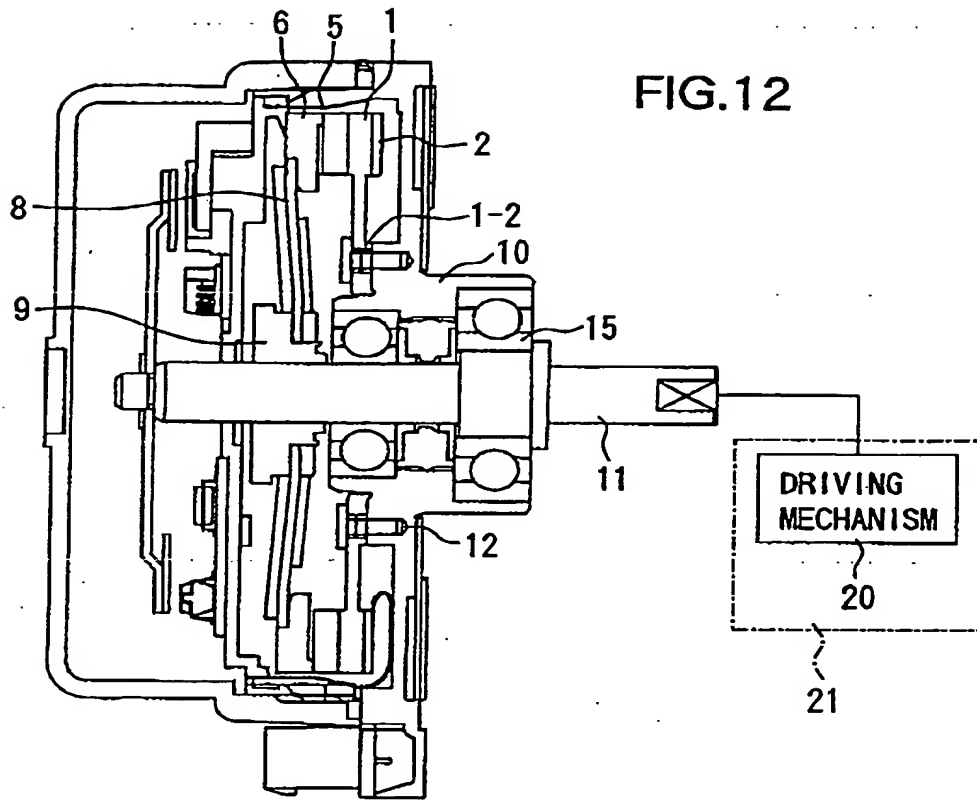
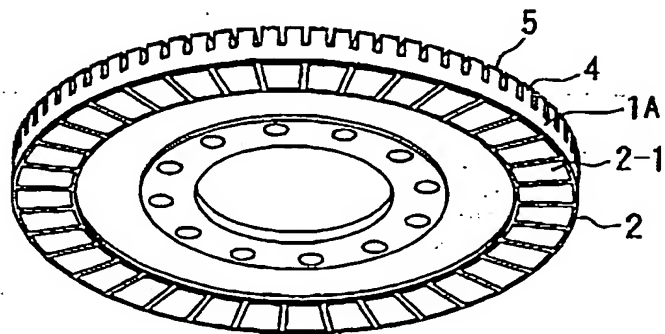


FIG.13



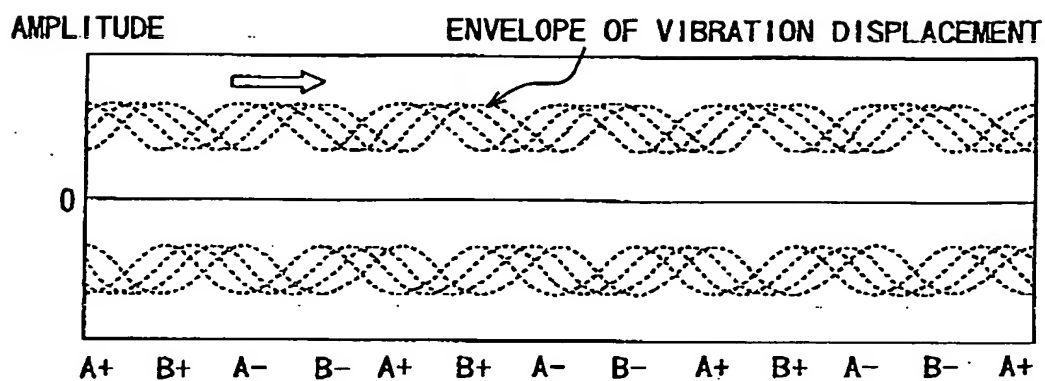
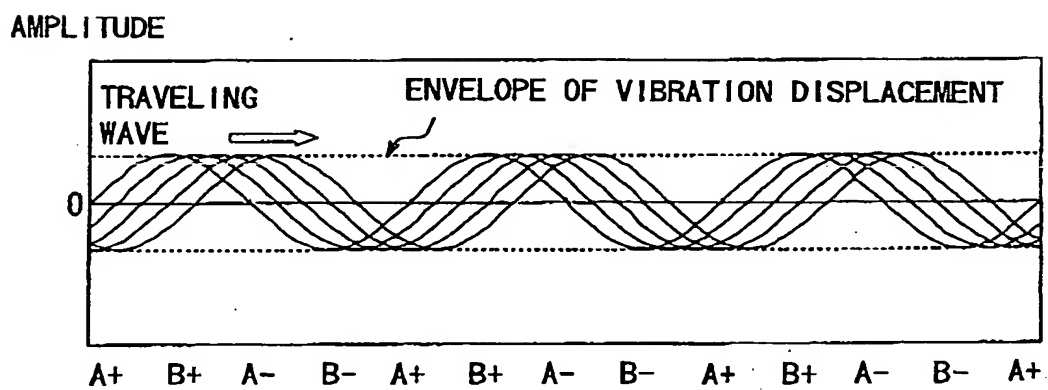


FIG.14

FIG.15
(PRIOR ART)

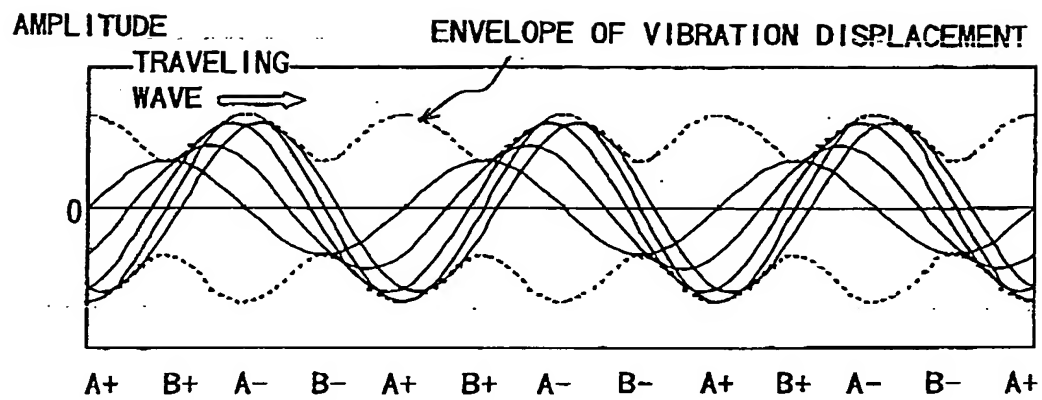


FIG.16
(PRIOR ART)

FIG.17

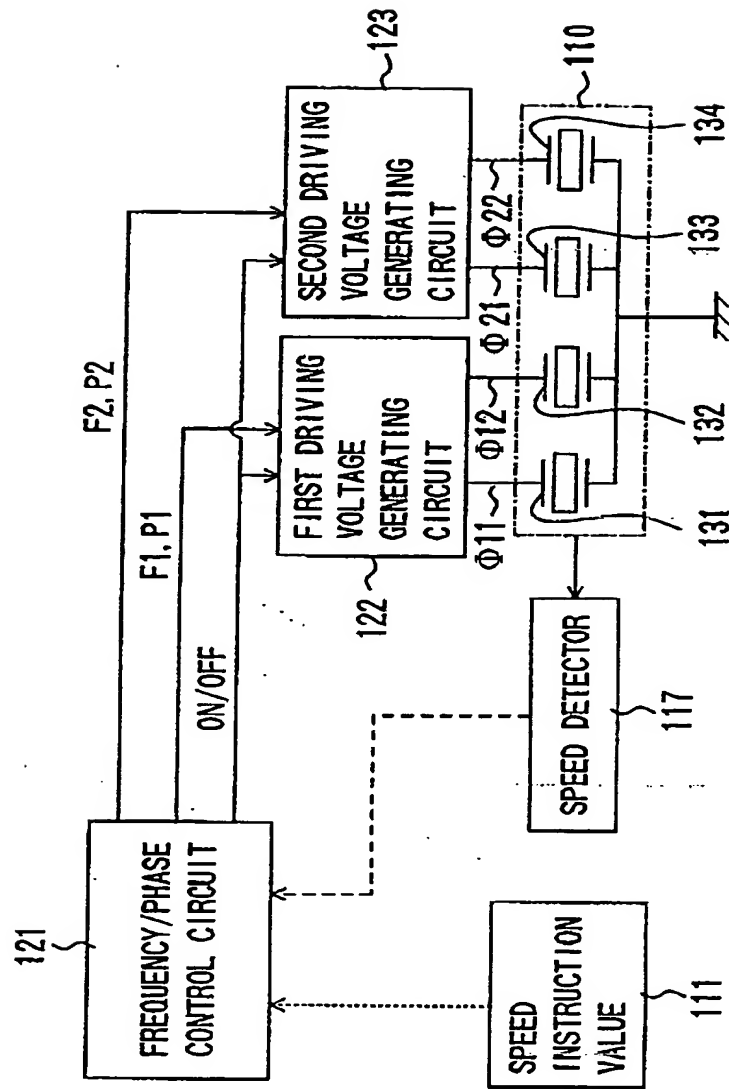


FIG.18

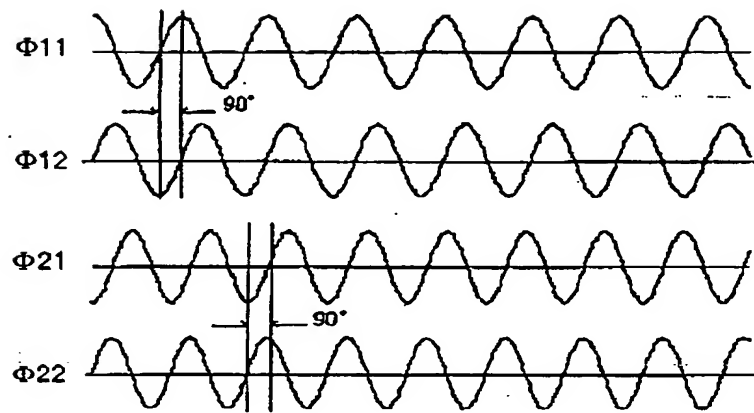


FIG.19

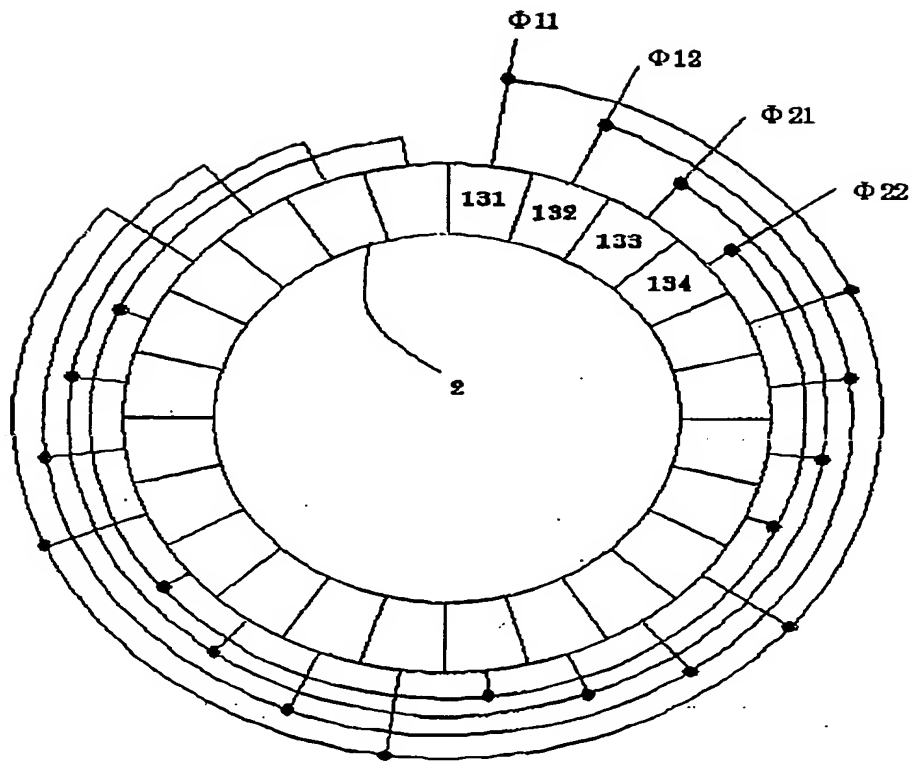


FIG.20

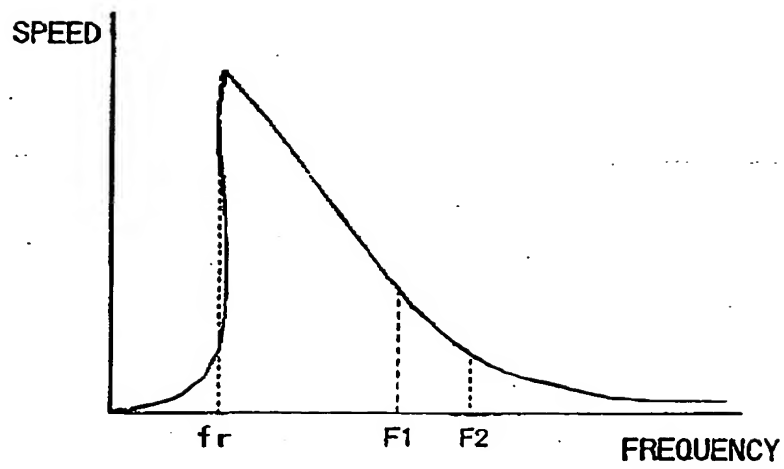


FIG. 21

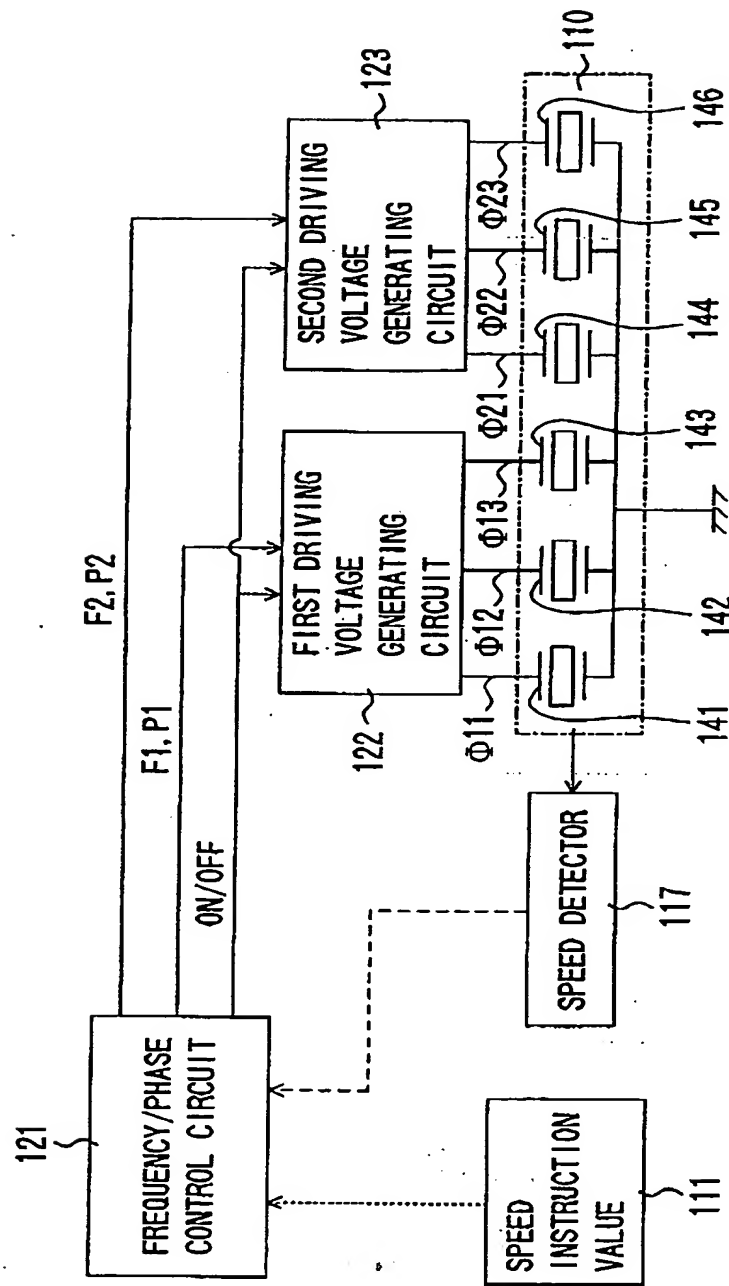


FIG.22

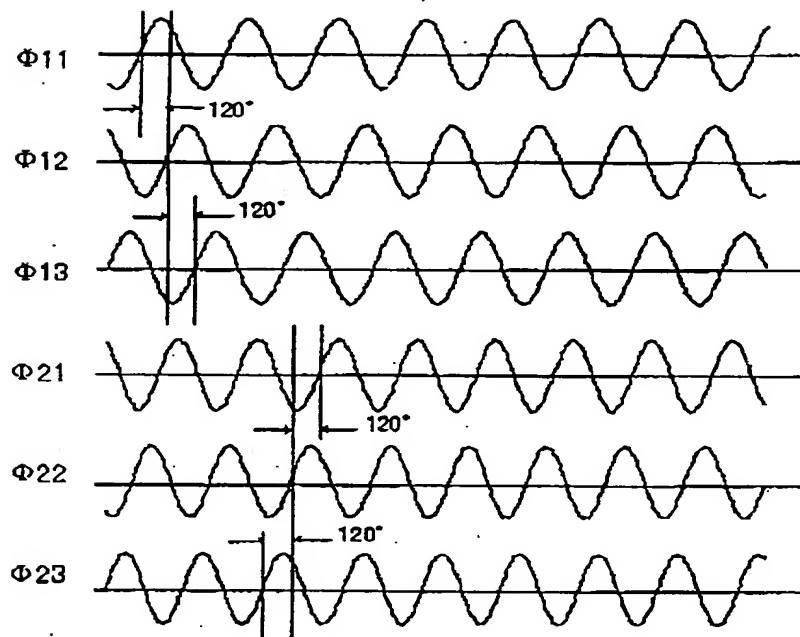


FIG.23

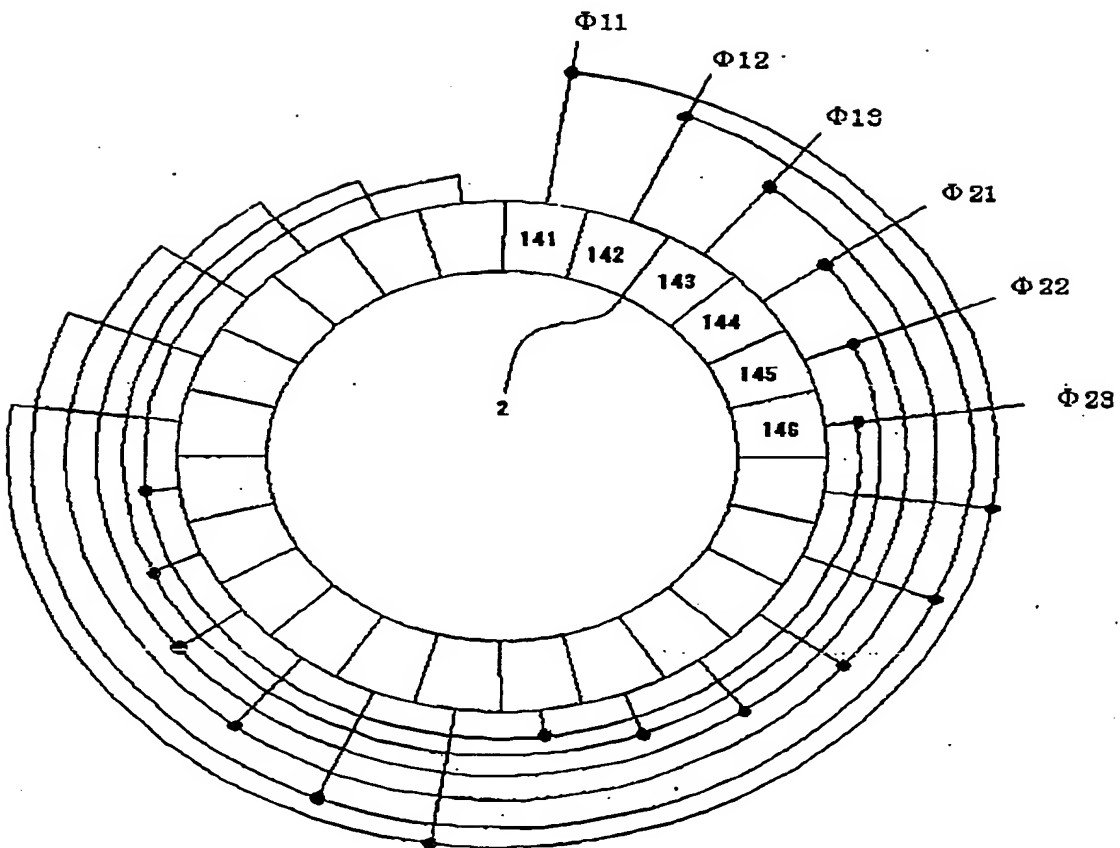


FIG.24

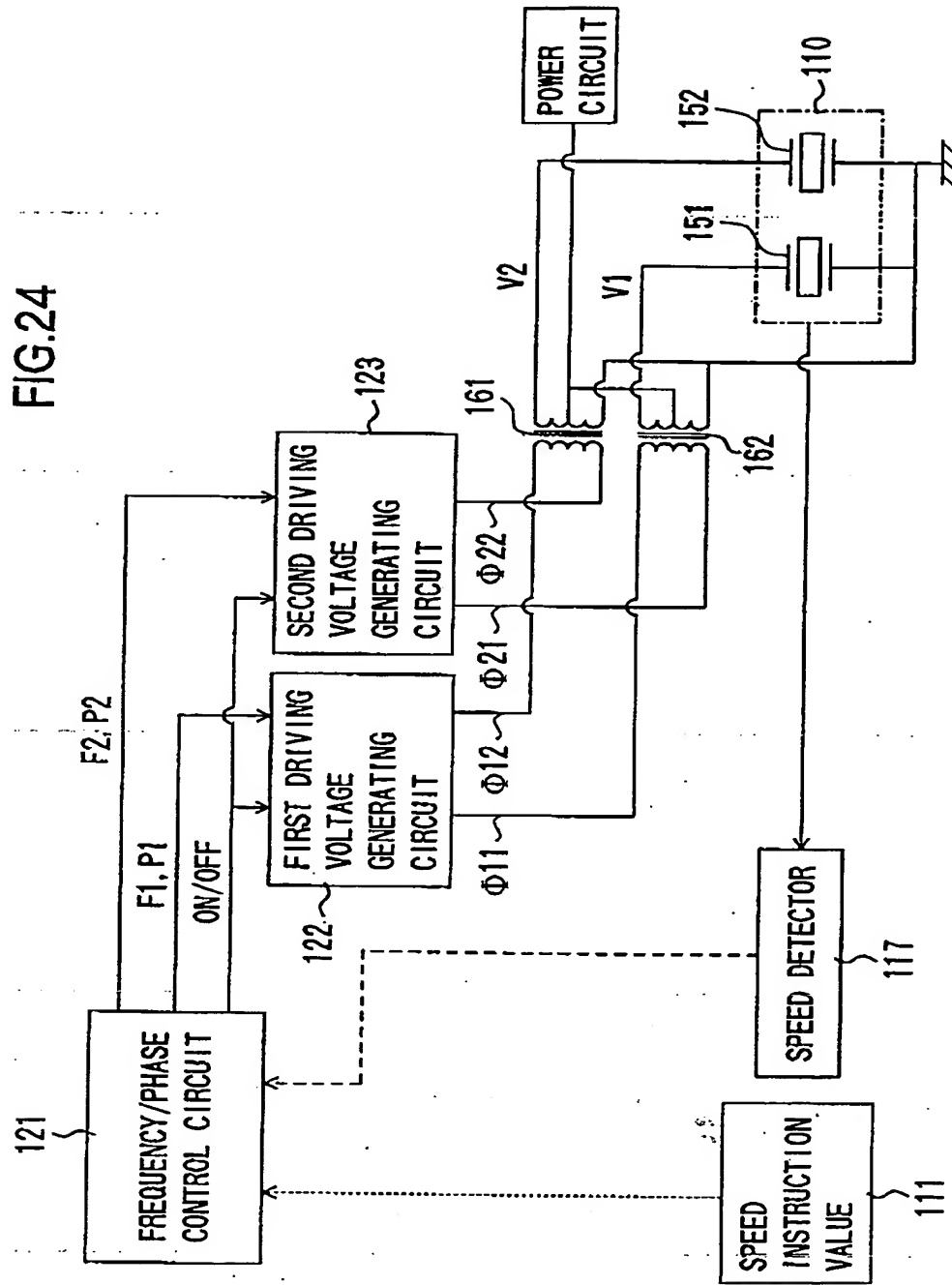


FIG.25

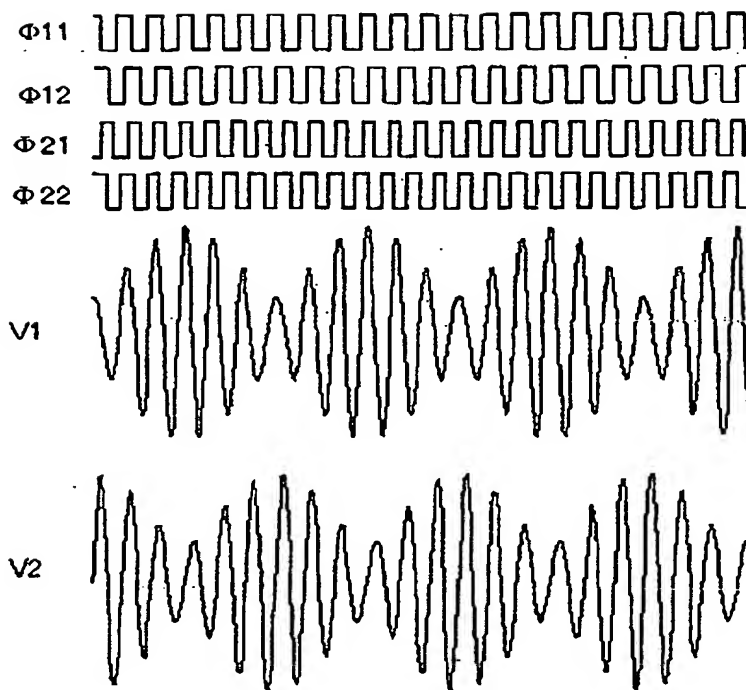
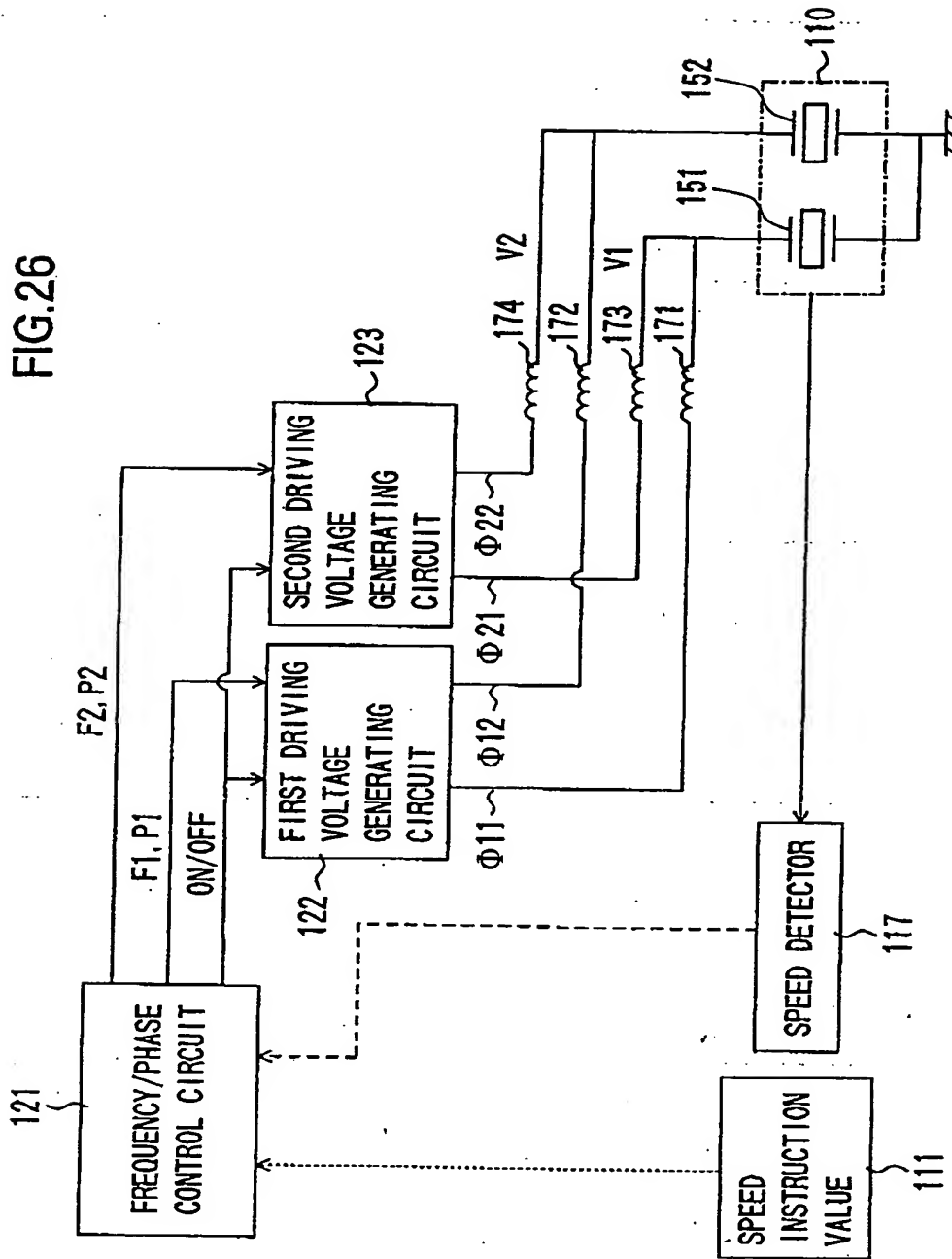


FIG.26



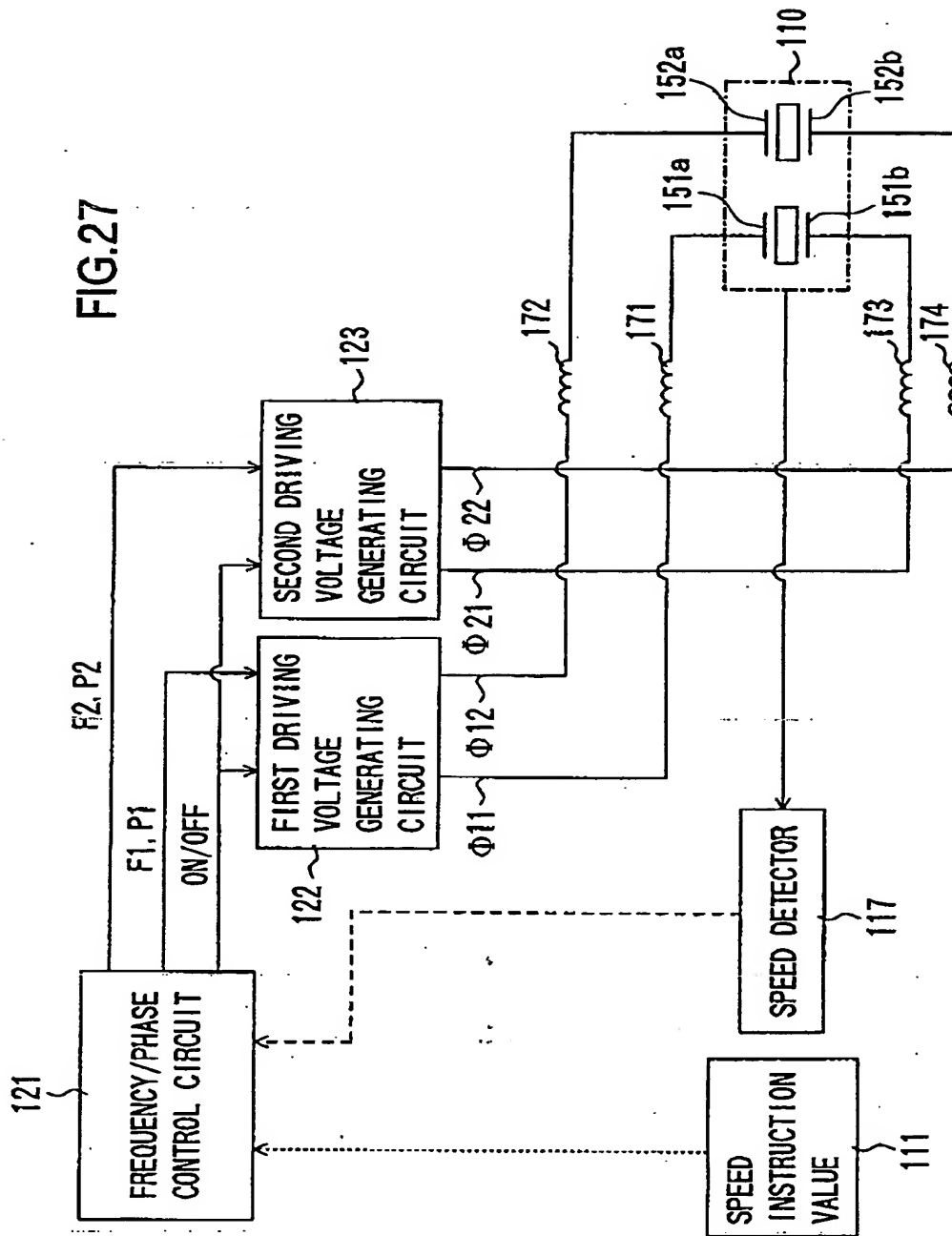


FIG.28

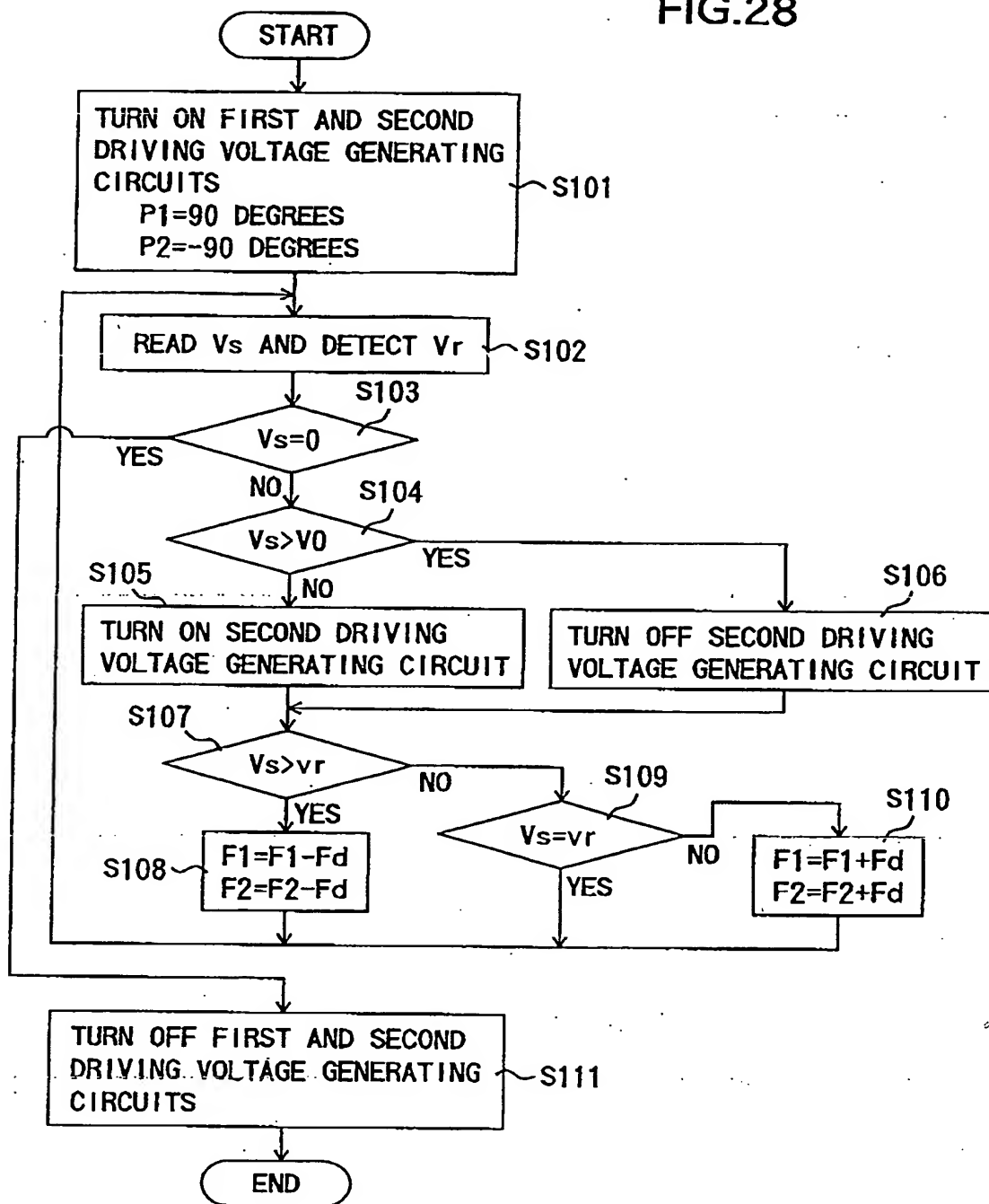


FIG.29A

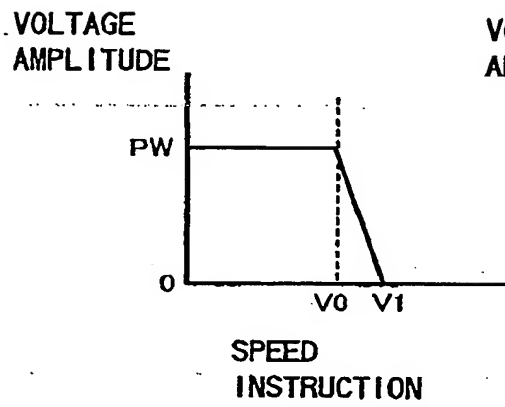


FIG.29B

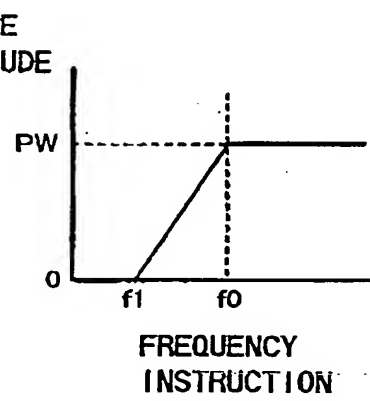


FIG.30

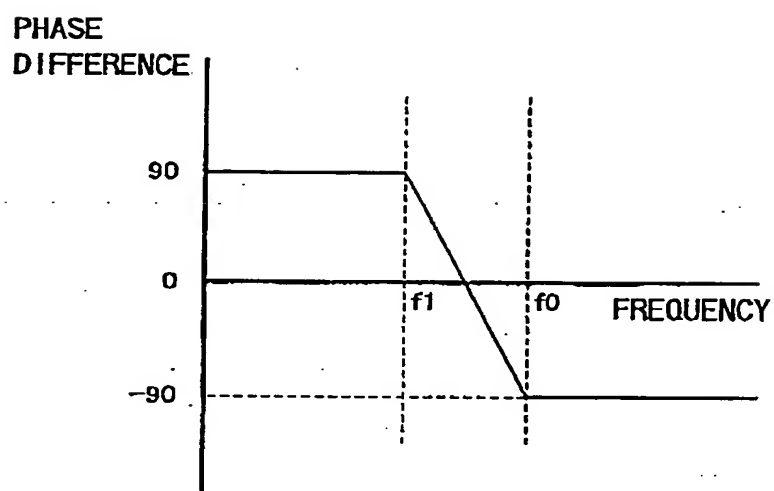


FIG.31

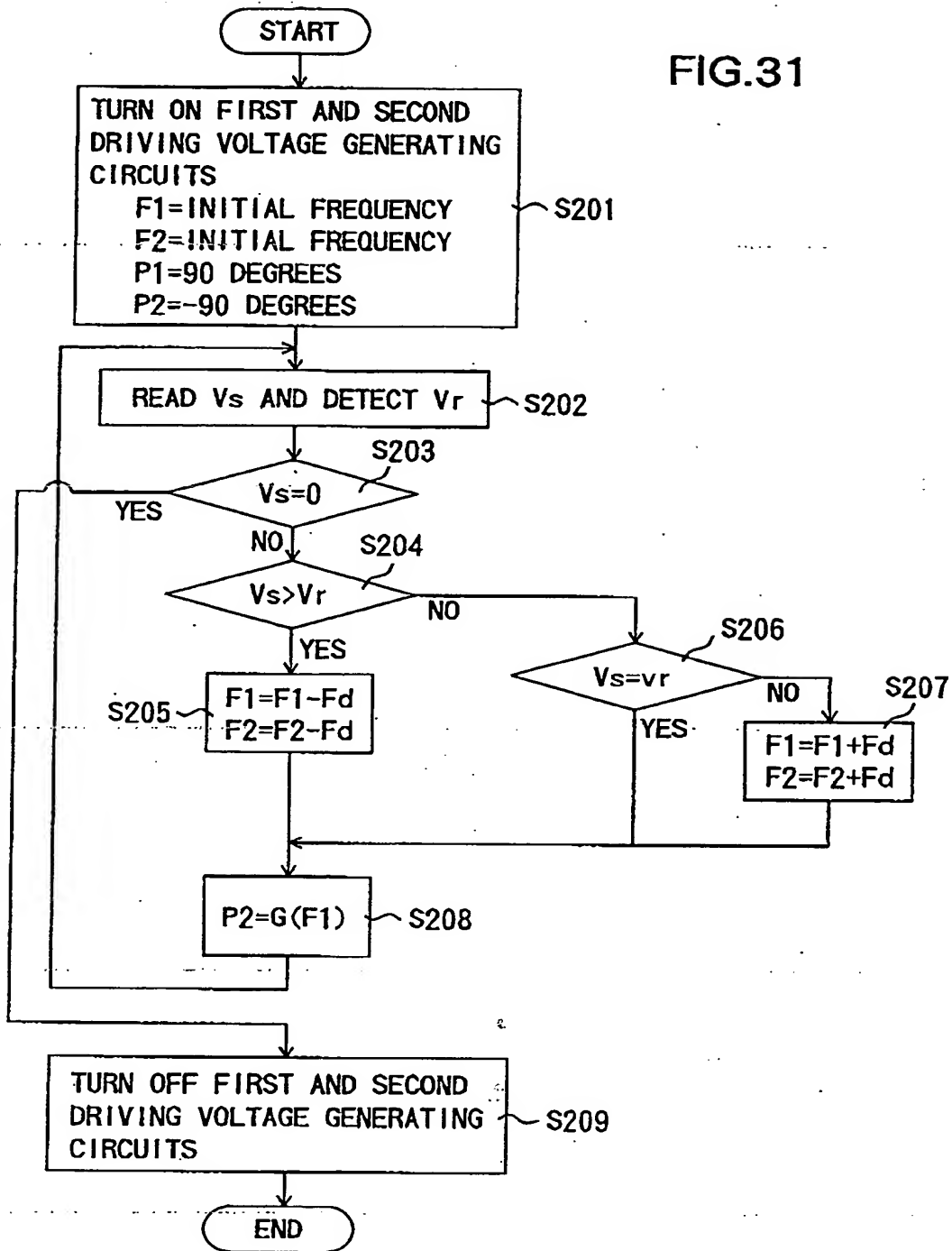


FIG.32

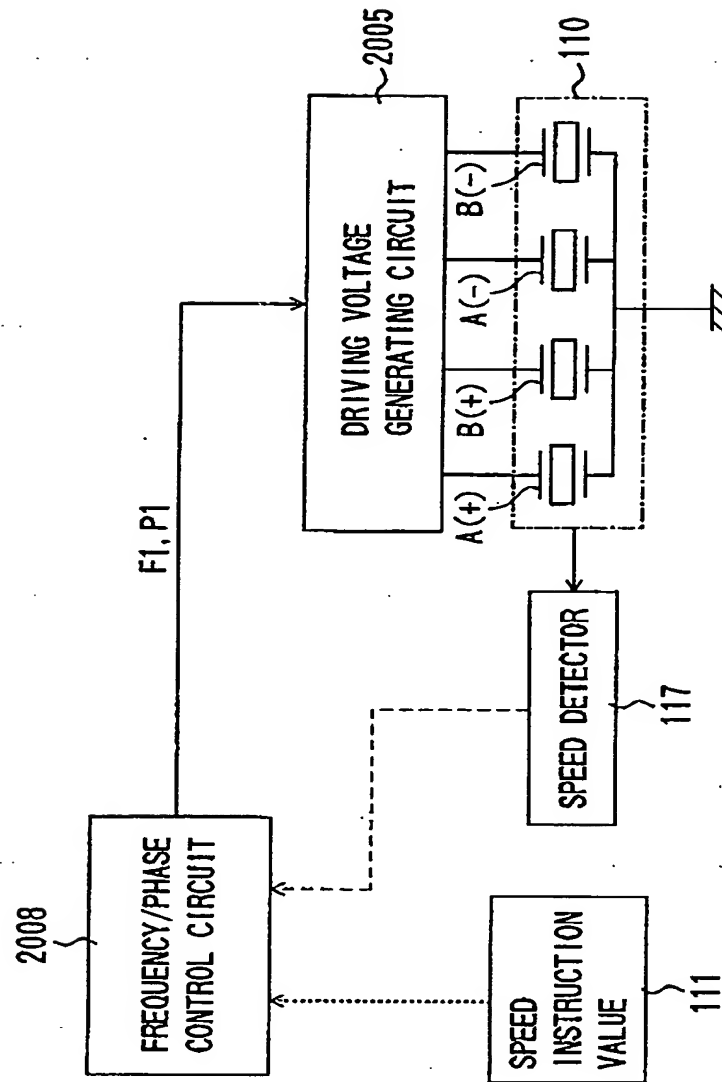


FIG.33

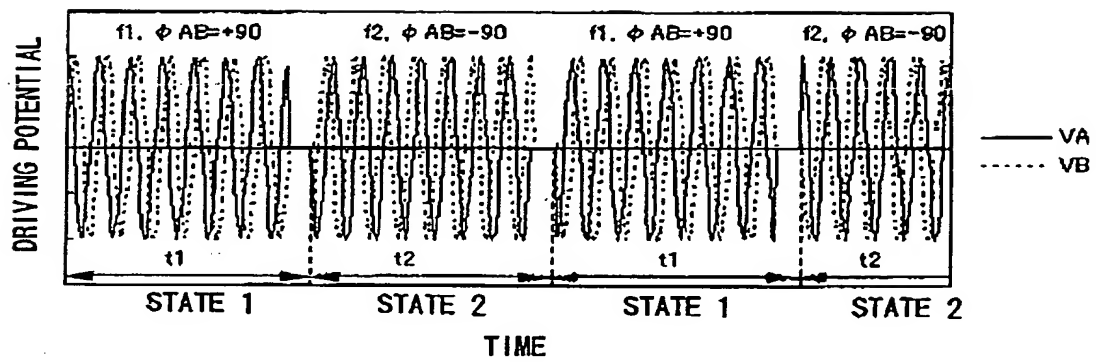


FIG.34A

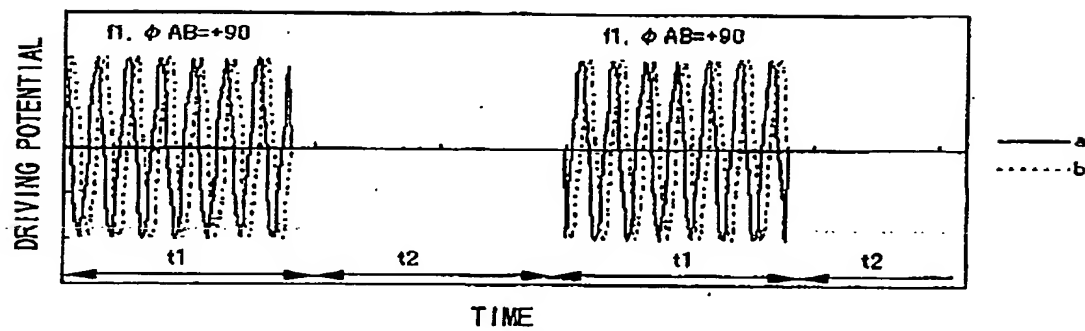


FIG.34B

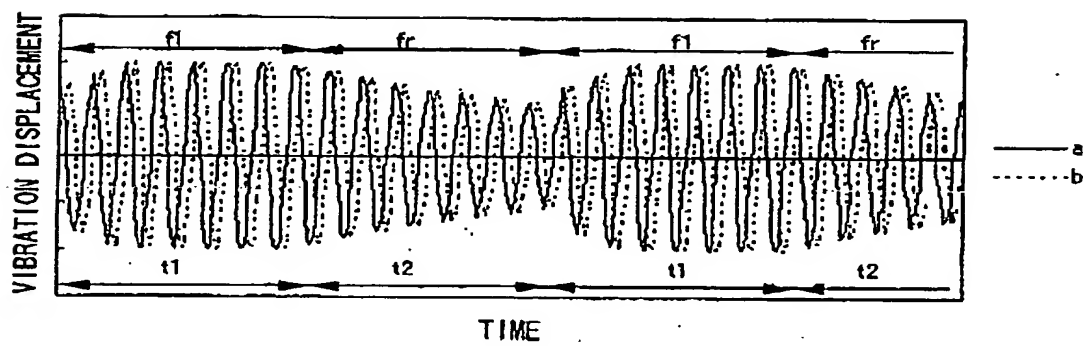


FIG.35A

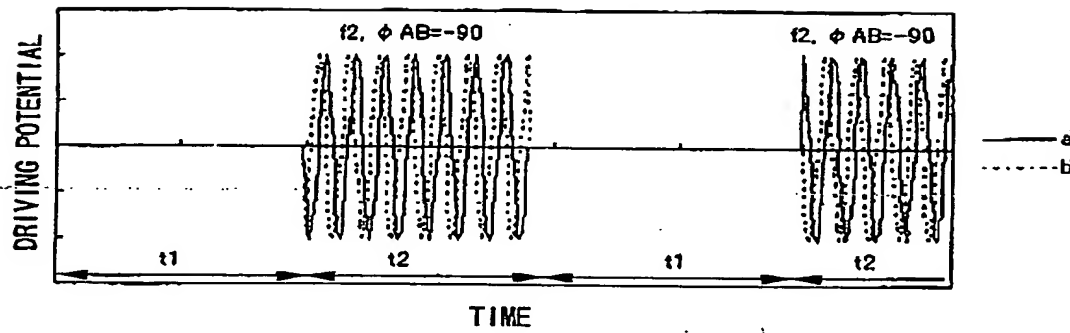


FIG.35B

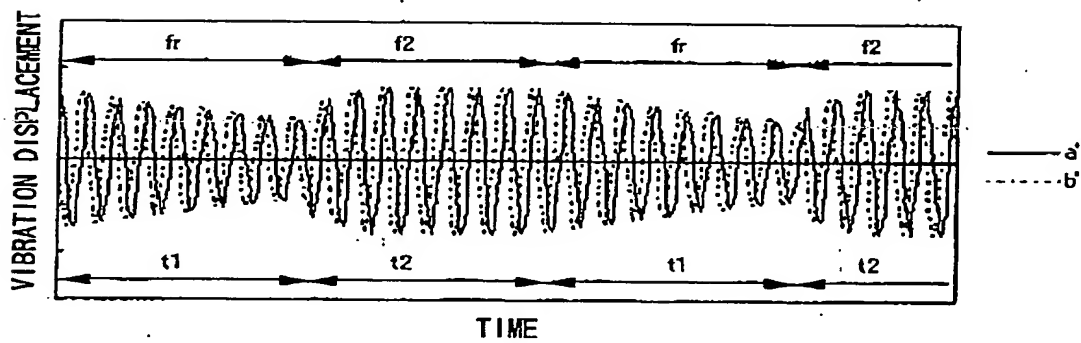


FIG.36

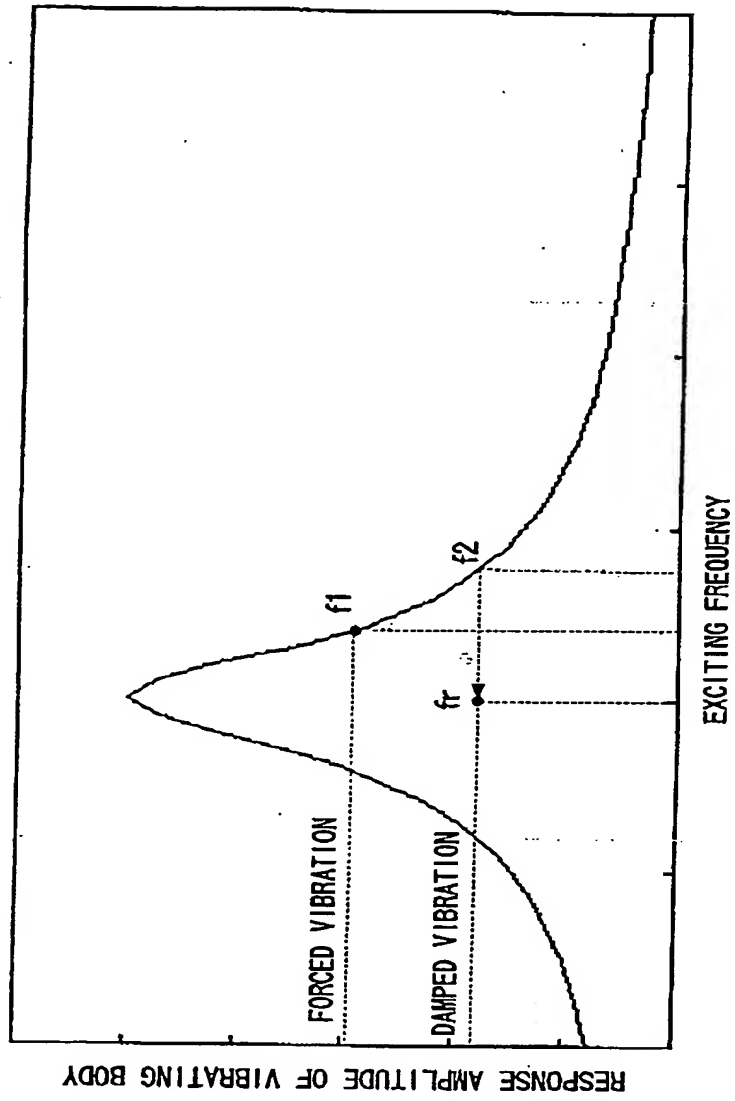


FIG.37

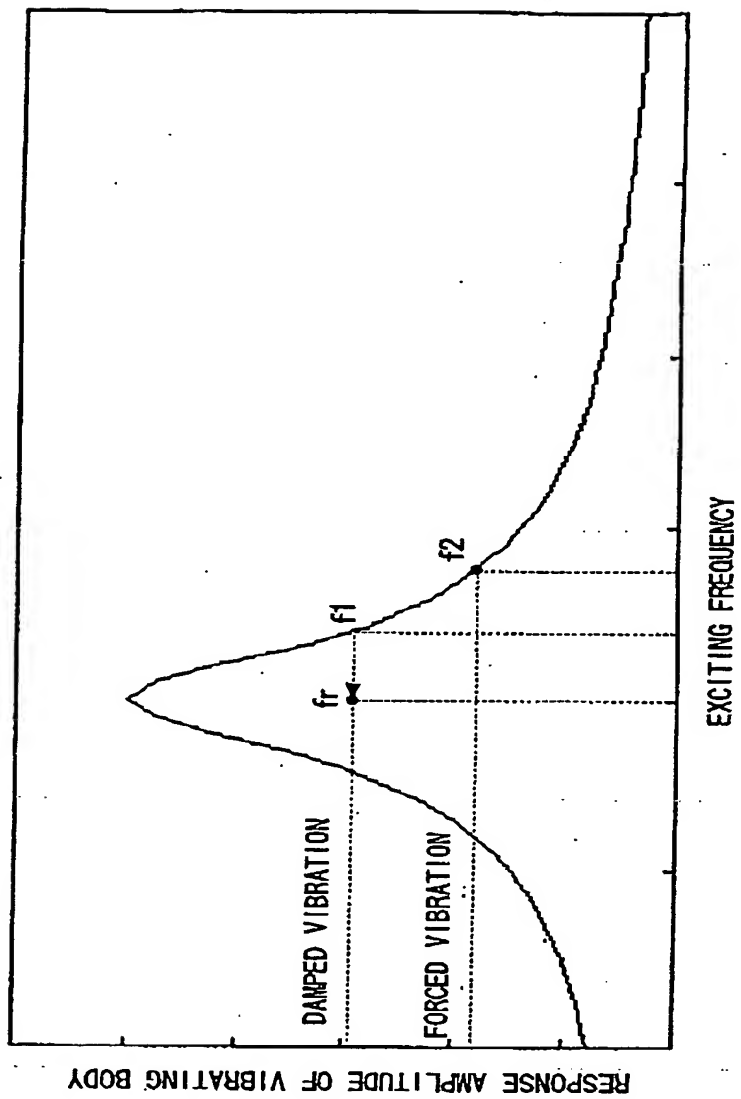


FIG. 38

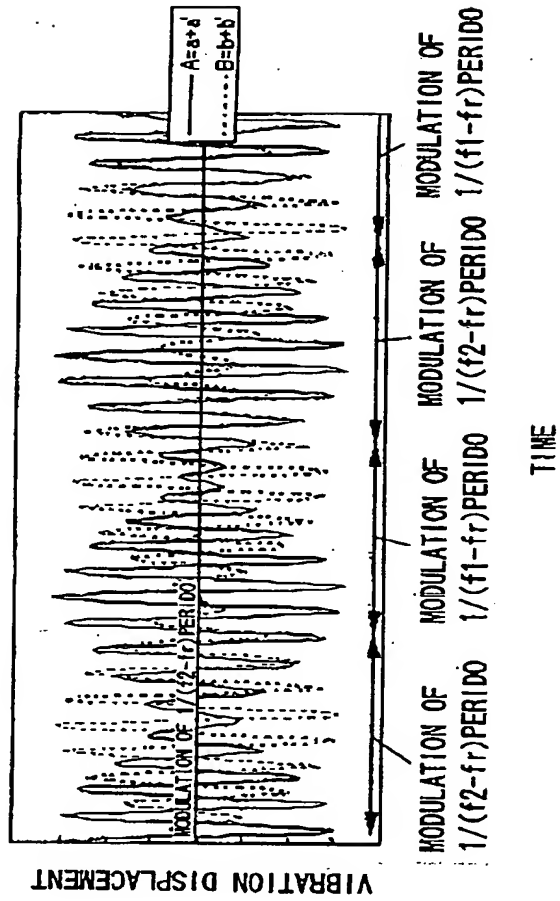


FIG.39

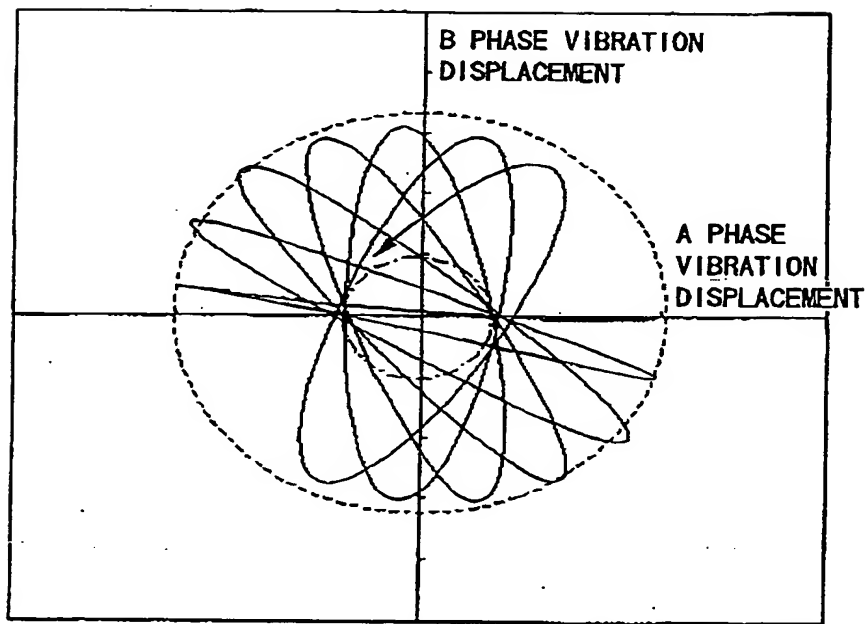


FIG.40

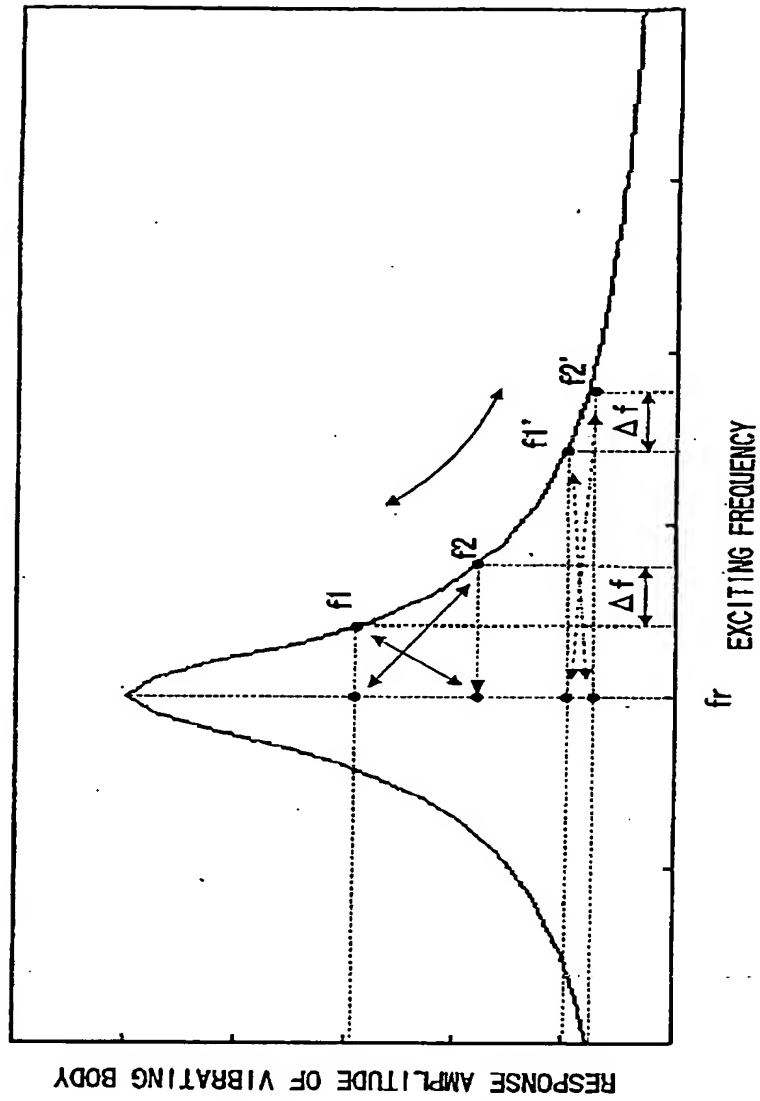


FIG.41

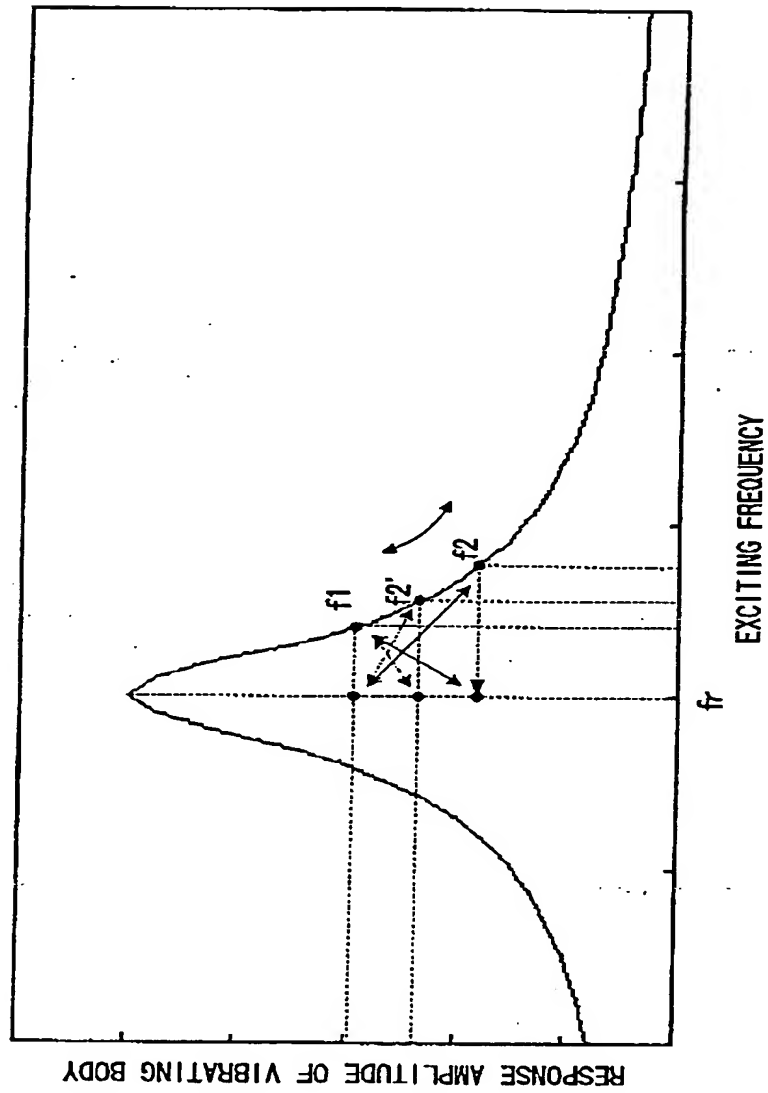


FIG.42

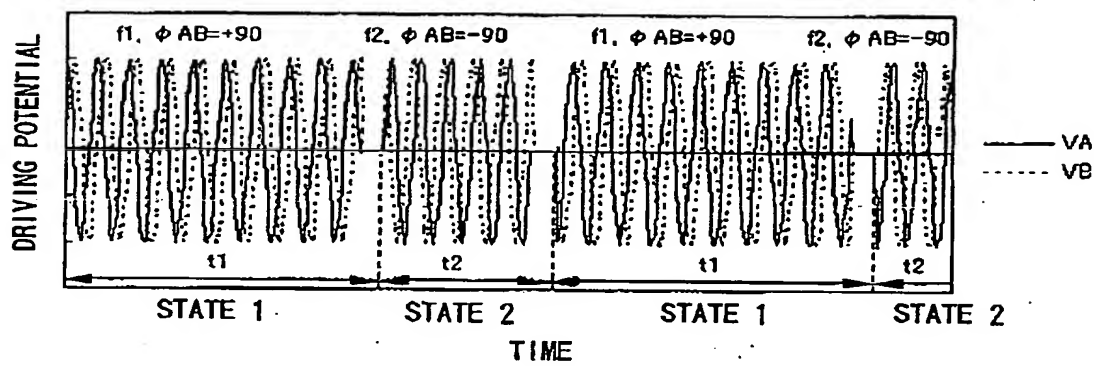


FIG.43A

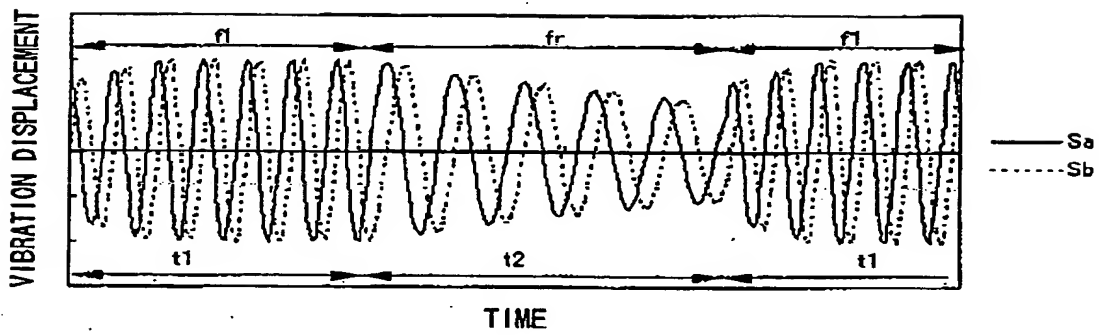


FIG.43B

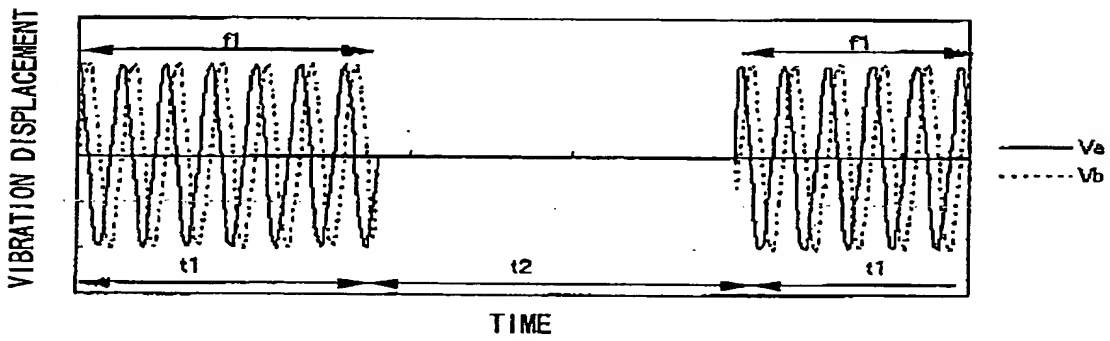


FIG.44
(PRIOR ART)

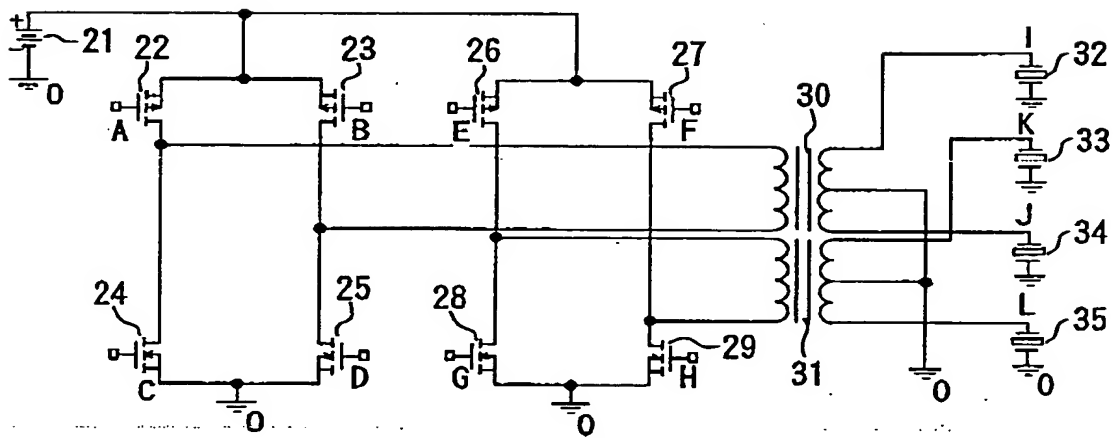


FIG.45A
(PRIOR ART)

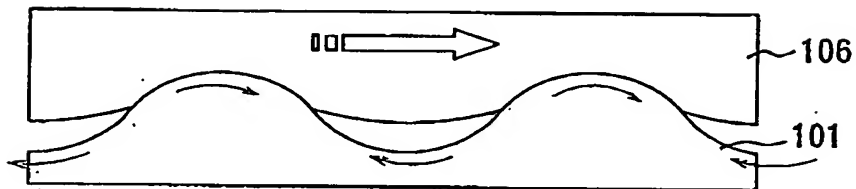


FIG.45B
(PRIOR ART)

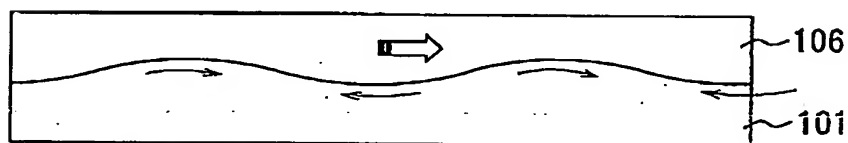


FIG.46
(PRIOR ART)

